

Amendments to the Claims:

This following listing of claims will replace all prior versions, and listings of claims in the application.

Listing of Claims:

1. (Cancelled)
2. (Previously presented) The method according to claim 4, wherein the cereal crop is selected from the group consisting of: rice, wheat, oats, rye, corn, sorghum, and barley.
3. (Cancelled)
4. (Previously presented) A method of producing granulocyte-macrophage colony stimulating factor (GM-CSF) in a cereal crop comprising growing a cereal crop that has a stably integrated genetic construct that comprises a glutelin regulatory region operably associated with a GM-CSF coding sequence as set forth in SEQ ID NO:1, or a fragment thereof that retains GM-CSF activity of supporting proliferation of TF-1 cells, operably associated with a transcriptional terminator.
5. (Cancelled)
6. (Previously presented) The method according to claim 4, wherein the GM-CSF coding sequence encodes an N-terminal methionine residue.
7. (Original) The method according to claim 2, wherein the cereal crop is rice.
8. (Cancelled)
9. (Previously presented) The method according to claim 4, wherein the GM-CSF coding sequence is operably linked to a signal sequence.
10. (Currently amended) The method according to claim 4, wherein the GM-CSF coding sequence is ~~nucleotide sequence 55-435 of~~ SEQ ID NO:1.
11. (Cancelled)

12. (Previously presented) The transgenic cereal crop according to claim 14, wherein the cereal crop is selected from the group consisting of: rice, wheat, oats, rye, corn, sorghum, and barley.

13. (Cancelled)

14. (Previously presented) A transgenic cereal crop plant comprising a stably integrated genetic construct that comprises a glutelin regulatory region operably associated with a GM-CSF coding sequence as set forth in SEQ ID NO:1, or a fragment thereof that retains GM-CSF activity of supporting proliferation of TF-1 cells, operably associated with a transcriptional terminator.

15. (Cancelled)

16. (Previously presented) The transgenic cereal crop according to claim 14, wherein the GM-CSF coding sequence encodes an N-terminal methionine residue.

17. (Original) The transgenic cereal crop according to claim 12, wherein the cereal crop is rice, japonica cultivar.

18. (Cancelled)

19. (Previously presented) The transgenic cereal crop according to claim 14, wherein the GM-CSF coding sequence is operably linked to a signal sequence.

20. (Currently amended) The transgenic cereal crop according to claim 14, wherein the GM-CSF coding sequence is ~~nucleotide sequence 55-435 of~~ SEQ ID NO:1.

21. (Cancelled)

22. (Previously presented) The genetic construct according to claim 24, wherein the cereal crop is selected from the group consisting of: rice, wheat, oats, rye, corn, sorghum, and barley.

23. (Cancelled)

24. (Previously presented) A genetic construct comprising a glutelin regulatory region operably associated with a GM-CSF coding sequence as set forth in SEQ ID NO:1, or a fragment thereof that retains GM-CSF activity of supporting proliferation of TF-1 cells, operably associated with a transcriptional terminator.

25. (Cancelled)

26. (Previously presented) The genetic construct according to claim 24, wherein the GM-CSF coding sequence encodes an N-terminal methionine residue.

27. (Original) The genetic construct according to claim 22, wherein the cereal crop is rice, japonica cultivar.

28. (Cancelled)

29. (Previously presented) The genetic construct according to claim 24, wherein the GM-CSF coding sequence is operably linked to a signal sequence.

30. (Currently amended) The genetic construct according to claim 24, wherein the GM-CSF coding sequence is ~~nucleotide sequence 55-435~~ of SEQ ID NO:1.

31. (Original) An isolated nucleotide sequence comprising the sequence set forth in SEQ ID NO:1.

32. (Previously presented) A DNA vector comprising the genetic construct of claim 24.

33. (Original) A DNA vector comprising the isolated nucleotide sequence of claim 31.

34. (Previously presented) A transgenic cereal crop plant comprising the genetic construct of claim 24.

35. (Original) A transgenic cereal crop plant comprising the isolated nucleotide sequence of claim 31.

36-49. (Cancelled)